

Blackford County Tower Project Proposal:

80' Rhon Tower Kit RSL080M209

To be installed per Rhon specifications utilizing a 10'x10'x4' concrete pad.

Location is behind 121 N. High Street, Hartford City. This site is the location of the former WWHC Radio Station, where a tower once stood. The current parking area is a site where a former building once stood. The exterior of the building has been renovated over the past 10 years to a modern look.

The City of Hartford City will help with the excavation of the hole for the concrete pad. There are sewer and water lines in the vicinity but not in the immediate area of the tower placement.

Tower installation will be completed by a certified tower installer. Installer has not been selected at the present time.

No environmental/historical studies have been completed on this project.

Attachments:

#1: Ground view of tower location.

#2: Arial view of tower location.

#3: FIRM Flood map

#4: Tower Base Specifications

#5: Rhon Design Notes.

#6: Photo of Monitor Location within the Structure

Google maps

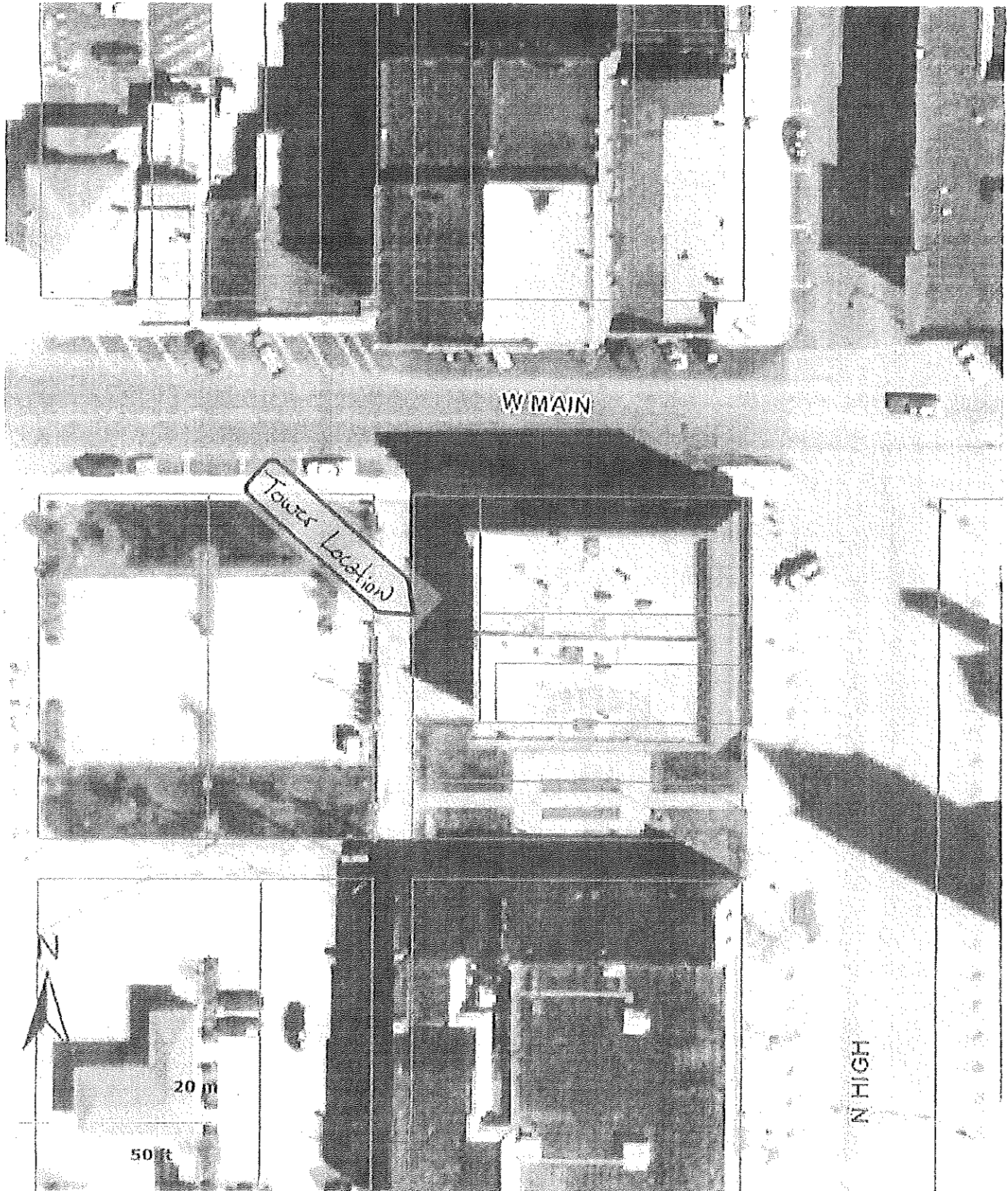
Save trees. Go green!
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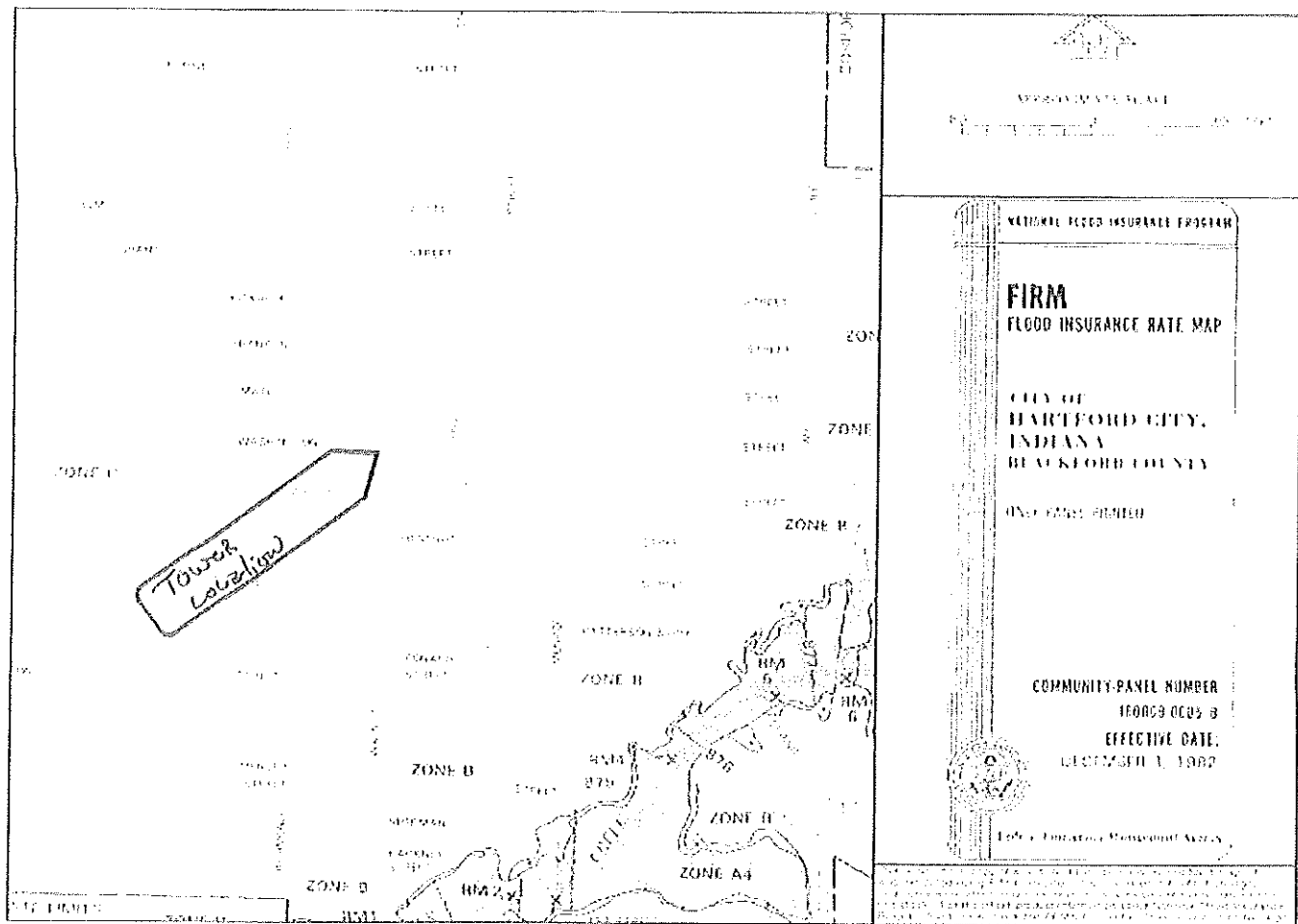
Courthouse Annex

#2

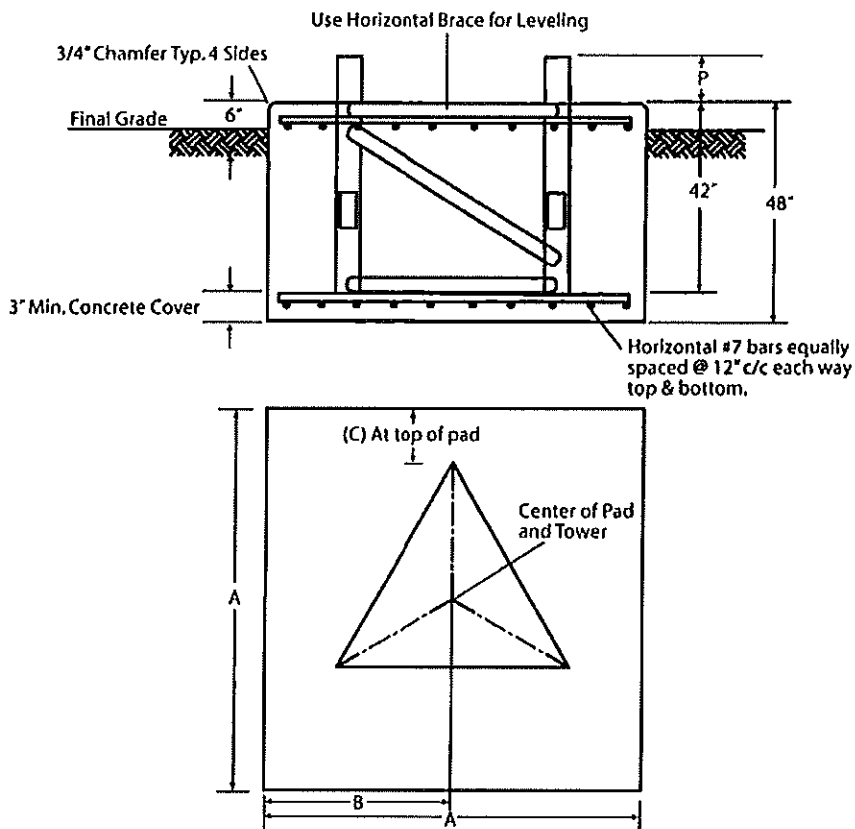
121 N. High Street



#3



RSL FOUNDATION INFORMATION



Stub Base Section No.	Dimensions (in.)				Concrete (Cu. Yds)	No. 7 Bars Req	Max. Base Reactions	
	A	B	C	P			Overtuming (KIP-FT)	Shear (KIPS)
RSLBA02	84	42	28	10-1/2	7.3	32	51	3.0
RSLBA03	90	45	29	12-1/2	8.3	32	57	3.0
RSLBA04	90	45	27	11-1/4	8.3	32	65	3.0
RSLBA05	96	48	28	11-1/2	9.5	36	71	3.0
RSLBA06	96	48	26	12	9.5	36	78	3.0
RSLBA07	108	54	30	13	12.0	40	114	4.0
RSLBA08	114	57	31	12-3/4	13.4	40	124	4.5
RSLBA09	120	60	32	13-1/2	14.8	44	171	5.0
RSLBA10	126	63	33	12-3/4	16.3	44	184	5.5

RSL
DESIGN GENERAL NOTES

1. Tower designs conform to ANSI/TIA/EIA-222-F for the basic wind speeds indicated without ice. Tower designs also conform to the ANSI/TIA/EIA Standard for 1/2 inch radial ice load occurring simultaneously with 75% of the no ice design wind pressures. The appropriate design criteria for a site must be verified prior to installation.
2. Antennas and mounts are assumed to be symmetrically mounted at or below the top of the tower for determining overall reactions and member forces. Design assumes the weight of antennas and mounts do not exceed 300 lbs. Local stresses due to mounting arrangements for site-specific applications have not been considered and must be investigated by others on an individual site basis.
3. The allowable effective projected areas (EPA) indicated include the summation of the projected areas of antennas and mounts multiplied by their appropriate drag factors. The allowable effective projected areas are based on applications without the use of anti-climb panels. The use of anti-climb panels will reduce the allowable effective projected areas indicated. When 1/2 inch of radial ice is to be considered for an application, the additional EPA of the ice of antennas and mounts shall be included in the summation.
4. Design assumes maximum top mast load is limited to 5 sq.ft.EPA and 100 lbs. vertical load. All other loading is assumed to be mounted below the top mast.
5. Tower designs assume a 1/2 inch transmission line for each 10 square feet of EPA up to a maximum of three lines, one line per tower face.
6. Foundation designs are in accordance with ANSI/TIA/EIA-222-F, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures," section 7, for all "normal" soil conditions. "Normal" soil is defined as dry, cohesive soil with an allowable net vertical bearing capacity of 4000 PSF and an allowable net horizontal pressure of 400 PSF per linear foot of depth to a maximum of 4000 PSF.